Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Thursday 31 Aug 2023 until 23:59 on Friday 01 Sep 2023

Forecast Issued on Thursday 31 Aug 2023 at 01:13

Confidence: High for the generally changeable weather continuing this week and then for a change to more settled and warmer conditions this weekend. Some uncertainty regarding timings of showers/rain and low cloud on Thursday and Friday.

Headline for Thursday 31 Aug 2023: Cloud thickening with rain later this afternoon.

Mountain weather hazards on Thursday 31 Aug 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** Medium Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Sunny intervals	Sunny intervals	Cloudy	Cloudy	Light rain	Light rain
Precipitation probability					
<05%	<05%	20%	40%	80%	80%

Forecast for Thursday 31 Aug 2023

Weather: A fine and bright start, but cloud gradually increasing. Cloud thickening and lowering during the afternoon, with outbreaks of rain arriving during the late afternoon. Outbreaks of rain and drizzle continuing into the evening, but generally these will be light.

Chance of cloud-free hill tops above 600m: 90%, lowering to 10-20% during the late afternoon.

Low cloud and visibility: Cloud bases lowering through the afternoon, to become widespread around 400-500m, perhaps with patches down to 200-300m especially on southeast facing slopes. Visibility good for much of the day, but becoming often poor or very poor in rain, drizzle and low cloud covering the hills by the evening.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Thursday 31 Aug 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	4/5 SW	6/9 S	10/15 S	14/21 SE	15/23 SE	13/19 SE	11/15 SE
300	3/3 E	6/9 S	9/14 S	11/17 SE	10/19 SE	9/18 SE	8/14 SE
Valley	3/4 E	4/8 S	7/14 S	8/15 SE	6/14 SE	7/14 E	6/14 E

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	9/8	11/10	11/9	11/8	11/8	11/8	11/9
300	10/10	13/12	14/12	14/12	13/11	12/11	13/11
Valley	10/10	14/14	15/14	15/13	14/12	13/12	13/12
Freezing Level*	1900m	1900m	2000m	3000m	2900m	2800m	2600m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Despite the largely cloudy afternoon, some protection against harmful UV is advised.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Thu 31 Aug 2023	0mm	0.2mm	0.4mm

Forecast for Friday 01 Sep 2023

Weather: Overnight low cloud and patchy rain and drizzle continuing during the morning. Cloud breaking up by the afternoon, allowing some brighter spells to develop, as well as scattered showers. Some of which will be heavy, with a risk of thunder. Showers gradually dying away through the evening.

Maximum wind: Easterly 10-15 mph gusting 20mph

Chance of cloud-free hill tops above 600m: 20% overnight improving to 70% by early afternoon and 90% by evening.

Low cloud and visibility: Cloud bases overnight 200-300 metres with poor visibility, lifting to 400 metres through the morning and breaking through the afternoon as the visibility becomes very good, largely clear through the evening.

Temperature: **Valleys:** Plus 12 Celsius rising to plus 21 Celsius.
At 600m: Plus 12 Celsius rising to plus 15 Celsius.
Freezing level: Well above the summit

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